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Hannan, E., *see* D. Klein, 9 (1982) 378–385
Hansen, P. and H. Heinsbroek, Product selection and space allocation in supermarkets, 3 (1979) 474–484
Hansen, P., J.-F. Thisse and P. Hanjoul, Simple plant location under uniform delivered pricing, 6 (1981) 94–103
Harrison, P.J., *see* J.Q. Smith, 7 (1981) 30– 43
Harubi, N., M. Shechter and A. Subotnik, A pricing policy for a computer facility with congestion externalities, 3 (1979) 296–307
Haseborg, F. Ter, On the optimality of joint ordering policies in a multi-product dynamic lot size model with individual and joint set-up costs, 9 (1982) 47– 55
Haslett, J. and F.P. Hand, Models in solar water heating – a critical comparison, 4 (1980) 1– 6

Hasselström, D., *see* U. Bokinge, 5 (1980) 388–395
Hastings, N.A.J. and D. Sadjadi, Markov programming with policy constraints (*Short Communication*), 3 (1979) 253–256
Haurie, A., *see* D. Collart, 4 (1980) 160–172
Heinsbroek, H., *see* P. Hansen, 3 (1979) 474–484
Hellemans, D.E., *see* T.M. Lekane, 4 (1980) 7– 15
Hellman, O., A potato farming problem, 1 (1977) 361–364
Hellman, O., A special problem of large scale forest management, 4 (1980) 16– 18
Herroelen, W.S., *see* F. van Assche, 3 (1979) 142–149
Herroelen, W.S., *see* S.E. Elmaghraby, 5 (1980) 223–234
Hersh, M., *see* S.P. Ladany, 3 (1979) 216–221
Hersh, M. and I. Brosh, The optimal strategy structure of an intermittently operated service channel, 5 (1980) 133–141
Heurgon, E., OR in the firm: an alternative design, 7 (1981) 183–190
Heurgon, E., Relationships between decision-making process and study process in OR intervention, 10 (1982) 230–236
Higgins, J.C., Management science in retailing (*Invited Review*), 7 (1981) 317–331
Hildebrandt, S., Implementation of the operations research/management science process, 1 (1977) 289–294
Hildebrandt, S., The changing role of analysts in effective implementation of operations research and management science, 5 (1980) 359–365
Hildebrandt, S., Implementation – the bottleneck of operations research: the state of the art, 6 (1981) 4– 12
Hildebrandt, S., Information in the operations research process, 8 (1981) 123–129
Hindle, H., *see* E. Ritchie, 2 (1978) 153–159
Hinxman, A.I., The trim-loss and assortment problems: A survey, 5 (1980) 8– 18
Hinxman, A.I., *see* T.B. Boffey, 3 (1979) 386–393
Hirano, M., *see* T. Matsuda, 9 (1982) 122–132
Hirsch, G., *see* A. Chevalier, 9 (1982) 161–167
Hivner, W.A. and R.P. Mehta, Optimizing computer preformance with geometric programming, 1 (1977) 103–111
Hodgson, M.J., The location of public facilities intermediate to the journey to work, 6 (1981) 199–204
Holm, S. and D. Klein, Discrete right hand side parametrization for linear integer programs, 2 (1978) 50– 53
Holst, O., Accessibility as the objective of public transportation planning: an integrated transportation and land use model, 3 (1979) 267–282
Horst, R., A note on the duality gap in nonconvex optimization and a very simple procedure for bid evaluation type problems, 5 (1980) 205–209
Hosios, A.J., *see* M.F. Lafortune, 8 (1981) 24– 30
Howard, J.V., How to give away £100 million: information for senior decision makers, 8 (1981) 115–122
Howard, K., Modelling and information systems for senior management in local government: problems and prospects, 6 (1981) 340–351
Howard, K., *see* J.A. Sharp, 9 (1982) 8– 16
Hull, J.C., The input to and output from risk evaluation models, 1 (1977) 368–375
Hurrion, R.D., An interactive visual simulation system for industrial management, 5 (1980) 86– 93

Ignizio, J.P., Letter to the Editor, 4 (1980) 64
Ignizio, J.P., Antenna array beam pattern synthesis via goal programming, 6 (1981) 286–290
Ishii, H., T. Nose, S. Shiode and T. Nishida, Perishable inventory management subject to stochastic leadtime, 8 (1981) 76– 85
Iyer, S.N., *see* B.D. Sivazlian, 6 (1981) 315–320

Jacobsen, S.K., On the use of tree-indexing methods in transportation algorithms, 2 (1978) 54– 65
Jacobsen, S.K., An algorithm for the minimax Weber problem, 6 (1981) 144–148
Jacobsen, S.K. and O.B.G. Madsen, A comparative study of heuristics for a two-level routing-location problem, 5 (1980) 378–387
Jacquet-Lagrèze, E., Binary preference indices: A new look on multicriteria aggregation procedures, 10 (1982) 26– 32
Jacquet-Lagrèze, E. and J. Siskos, Assessing a set of additive utility functions for multicriteria decision-making, the UTA method, 10 (1982) 151–164
Jahnke, B., *see* D.B. Pressmar, 1 (1977) 185–203
Jain, S.K., *see* B.V. Balachandran, 8 (1981) 324–334
Jefferson, T.R., *see* B.A. Murtagh, 9 (1982) 71– 76
Jeroslow, R.G., *see* E. Balas, 4 (1980) 224–234
Jones, S., *see* C. Eden, 3 (1979) 207–215
Jones, S., *see* D. Sims, 6 (1981) 360–366
Jong, G.A. de, *see* G.J. van Oortmarssen, 6 (1981) 399–409
Jonge, R. de, *see* W.M. Nawijn, 6 (1981) 67– 74
Jonker, R., *see* A. Volgenant, 9 (1982) 83– 89

Kaas, R., A branch and bound algorithm for the acylic subgraph problem, 8 (1981) 355–362
Kall, P., Stochastic programming (*Invited Review*), 10 (1982) 125–130
Kapadia, A.S., *see* P.J. Gregor, 10 (1982) 106–113
Kappos, E., *see* D.W. Bunn, 9 (1982) 173–180
Kapralos, K., *see* K.E. Kioulafas, 5 (1980) 102–111
Katz, I.N. and L. Cooper, Facility location in the presence of forbidden regions, I: Formulation and the case of Euclidean distance with one forbidden circle, 6 (1981) 166–173
Kaufman, L. and F. Broeckx, An algorithm for the quadratic assignment problem using Benders' decomposition, 2 (1978) 207–211
Kaul, R.N. and S. Kaur, Generalizations of convex and related functions, 9 (1982) 369–377
Kaur, S., *see* R.N. Kaul, 9 (1982) 369–377
Kim, D.W. and D.S. Bai, An adaptive algorithm for discrete-time differential games, 8 (1981) 159–165
Kimura, T., Optimal control of an M/G/1 queuing system with removable server via diffusion approximation, 8 (1981) 390–398
Kioulafas, K.E. and K. Kapralos, Production planning of seasonal demanded products, 5 (1980) 102–111
Kiziltan, G. and E. Yucaoglu, An algorith for bicriterion linear programming, 10 (1982) 406–411
Kleijnen, J.P.C., A.J. van den Burg and R.Th. van der Ham, Generalization of simulation results: Practicality of statistical methods, 3 (1979) 50– 64
Kleijnen, J.P.C., R. van der Ven and B. Sanders, Testing independence of simulation subruns: a note on the power of the Von Neumann test (*Short Communication*), 9 (1982) 92– 93
Klein, D., *see* S. Holm, 2 (1978) 50– 53
Klein, D. and E. Hannan, An algorithm for the multiple objective integer linear programming problem, 9 (1982) 378–385
Klein, J., *see* D.F. Cooper, 5 (1980) 36– 41
Klein, J. and D.F. Cooper, Assessing problem complexity, 6 (1981) 243–247
Klingman, D., *see* R.D. Armstrong, 4 (1980) 403–420
Klingman, D., *see* R.S. Barr, 2 (1978) 137–144
Klingman, D., *see* J. Elam, 3 (1979) 30– 39
Kluyver, C.A. de, Media selection by mean-variance analysis, 5 (1980) 112–117
Kluyver, C.A. de and D.C. McNickle, Parameter estimation and objective definition in mean-variance media scheduling (*Short Communication*), 6 (1981) 80– 83
Kmietowicz, Z.W. and A.D. Pearman, Decision theory and strict ranking of probabilities, 9 (1982) 397–404
Kochman, G.A. and C.J. McCallum, Jr., Facility location models for planning a transatlantic communications network, 6 (1981) 205–211
Kohlas, J. and J. Pasquier, Optimization of spare parts for hierarchically decomposable systems, 8 (1981) 294–300
Kolen, A., *see* L.G. Chalmet, 6 (1981) 117–124
Kornbluth, J.S.H. and R.E. Steuer, Goal programming with linear fractional criteria, 8 (1981) 58– 65
Kottas, J.F. and H.-S. Lau, On stochastic management modeling with dependent variables, 3 (1979) 308–315
Krarup, J., Foreword: excerpts from a guest editor's diary, 5 (1980) 289–291
Krarup, J. and P.M. Pruzan, The impact of distance on location problems, 4 (1980) 256–269
Krarup, J. and P.M. Pruzan, Reducibility of minimax to minisum 0–1 programming problems, 6 (1981) 125–132
Krarup, J. and C.B. Tilanus, Report on EURO III, 5 (1980) 292–301
Krätzig, S., *see* A. Claus, 7 (1981) 67– 76
Kutcher, G.P. and R.D. Norton, Operations research methods in agricultural policy analysis (*Invited Review*), 10 (1982) 333–345

Ladany, S.P., A minting policy for commemorative coins, 8 (1981) 130–138
Ladany, S.P. and M. Hersh, The design of an efficient elevator operating system, 3 (1979) 216–221
Lafortune, M.F., A.J. Hosios and J.M. Rousseau, Scheduling medical students to teaching hospitals, 8 (1981) 24– 30
Lambert, A.-M. and H. Luss, Production planning with time-dependent capacity bounds, 9 (1982) 275–280
Lambrecht, M. and J. Vander Eecken, A facilities in series capacity constrained dynamic lot-size model, 2 (1978) 42– 49
Lambrecht, M. and J. Vander Eecken, A capacity constrained single-facility dynamic lot-size model, 2 (1978) 132–136
Land, A.H., G. Laporte and P. Miliotis, A unified formulation of the machine scheduling problem, 2 (1978) 32– 35
Land, A.H., G. Laporte and P. Miliotis, Letter to the Editor, 2 (1978) 445
Laporte, G., *see* A.H. Land, 2 (1978) 32– 35
Laporte, G., *see* A.H. Land, 2 (1978) 445
Laporte, G. and Y. Nobert, An exact algorithm for minimizing routing and operating costs in depot location, 6 (1981) 224–226
Laporte, G., Y. Nobert and J. Biron, Rotating schedules, 4 (1980) 24– 30
Larsen, O. and G. Mikkelsen, An interactive system for the loading of cargo aircraft 4 (1980) 367–373
Larson, R.C., *see* O. Berman, 6 (1981) 104–116
Lasserre, J.B., A globally convergent algorithm for exact penalty functions, 7 (1981) 389–395
Latouche, G., On the trade-off between queue congestion and server's reward in an M/M/1 queue, 4 (1980) 203–214
Lau, H.-S., *see* J.F. Kottas, 3 (1979) 308–315
Leberling, H., *see* T. Gal, 1 (1977) 176–184
Leberling, H., *see* T. Gal, 8 (1981) 274–282

Leclercq, J.-P., Stochastic programming: An interactive multicriteria approach, 10 (1982) 33–41
Lee, A.M., Letter to the Editor, 1 (1977) 265
Lee, H.K., *see* A. Ravindran, 8 (1981) 166–174
Leeson, G.W., Markov models of two hierarchically graded police manpower systems, 6 (1981) 291–297
Leeson, G.W., Manpower planning procedures for hierarchial manpower systems, 10 (1982) 260–269
Leggett, C., A case study of a batch manufacturing plant simulation, 2 (1978) 1–7
Leifman, L.J., Estimation of resource requirements in optimization problems of network planning, 2 (1978) 265–280
Leipälä, T., On the solutions of stochastic traveling salesman problems, 2 (1978) 291–297
Lekane, T.M., D.E. Hellemans and C.M. Whitwam, Long-term optimization model of tree water networks, 4 (1980) 7–15
Lenstra, J.K., *see* B.L. Fox, 2 (1978) 191–194
Lenstra, J.K. and A.H.G. Rinnooy Kan, A characterization of linear admissible transformations for the m-travelling salesmen problem: A result of Berenguer (*Short Communication*), 3 (1979) 250–252
Lenstra, J.K. and A.H.G. Rinnooy Kan, Complexity results for scheduling chains on a single machine, 4 (1980) 270–275
Lesourne, J., A prospective look at the OR system, 1 (1977) 73–78
Lev, B., *see* A.L. Soyster 2 (1978) 195–201
Levin, K.D. and Y. Friedman, Optimal deployment of logistic units in dynamic combat conditions, 9 (1982) 41–46
Lindley, D.V., The subjectivist view of decision-making (*Invited Review*), 9 (1982) 213–222
Lockett, A.G., *see* J.B. Westwood, 1 (1977) 94–102
Lockett, A.G. and A.P. Muhlemann, A stochastic programming model for aggregate production planning, 2 (1978) 350–356
Lockett, A.G. and E. Polding, Organisational linkages and O.R. projects, 7 (1981) 14–21
Logendran, R. and D.L. Van Oudheusden, Optimal operation for a bi-fuel thermal power plant by mathematical programming, 8 (1981) 226–234
Lokin, F.C.J., Procedures for travelling salesman problems with additional constraints, 3 (1979) 135–141
Loon, J.N.M. van, Irreducibly inconsistent systems of linear inequalities, 8 (1981) 283–288
Lootsma, F.A., Saaty's priority theory and the nomination of a Senior Professor in Operations Research, 4 (1980) 380–388
Louveaux, F., Optimal scheduling of income tax prepayments under stochastic incomes, 9 (1982) 26–32
Lubbe, J.Th.N., *see* G.J. van Oortmarssen, 6 (1981) 399–409
Luss, H., Production planning with capacity bounds: A modified algorithm (*Short Communication*), 10 (1982) 412
Luss, H., *see* A.-M. Lambert, 9 (1982) 275–280
Lyness, F.K., O.R. and U.K. natural gas depletion strategy, 2 (1978) 160–167

Maas, P.J. van der, *see* G.J. van Oortmarssen, 6 (1981) 399–409
Macairt, J. and H.G. Perros, A standardized frozen meals service for Irish schools, 9 (1982) 248–256
Mack, H.L. and L.D. Smith, Scheduling with list processing and problem oriented data structures: An itinerant teacher example, 2 (1978) 175–184
Madsen, O.B.G., *see* S.K. Jacobsen, 5 (1980) 378–387
Maennig, H.-G., Production planning and result estimation for the manufacture of fertilizers in several factories, 3 (1979) 464–473
Maffioli, F., *see* P.M. Camerini, 4 (1980) 235–242
Maffioli, F., *see* P.M. Camerini, 5 (1980) 346–352
Magazine, M.J. and O. Oguz, A fully polynomical approximation algorithm for the 0–1 knapsack problem, 8 (1981) 270–273
Maimon, O., *see* J. Halpern, 10 (1982) 90–99
Mandell, S.L. and P.D. Grub, Survey of multinational corporate computer-based information systems 3 (1979) 359–367
Mandl, C.E., Evaluation and optimization of urban public transportation networks, 5 (1980) 396–404
Manz, J., Comments on practical implementation of Gomory's fractional algorithm, 4 (1980) 60–62
Mariani, L., *see* B. Nicoletti 1 (1977) 239–246
Mariani, L., *see* B. Nicoletti, 3 (1979) 23–29
Marie, R., *see* W.J. Stewart, 5 (1980) 56–68
Maritas, D.G. and D.A. Xirokostas, The $M/E_k/r$ machine interference model: Steady state equations and numerical solutions, 1 (1977) 112–123
Márquez Diez-Canedo, J., On the equivalence between safety first and min-variance criterion for portfolio selection, 10 (1982) 144–150
Márquez Diez-Canedo, J. and O. Medina-Mora Escalante, A network solution to a general vehicle scheduling problem, 1 (1977) 255–261
Márquez Diez-Canedo, J. and J. Pacreu Vizcaya, An analytical study of a swapping operation in the money market, 8 (1981) 335–344
Martel, J.M. and G.R. d'Avignon, Projects ordering with multicriteria analysis, 10 (1982) 56–69
Martello, S. and P. Toth, An Upper bound for the zero-one knapsack problem and a branch and bound algorithm, 1 (1977) 169–175
Martello, S. and P. Toth, Solution of the zero-one multiple knapsack problem, 4 (1980) 276–283
Martello, S. and P. Toth, Optimal and canonical solutions of the change making problem, 4 (1980) 322–329
Martinoli, B., Foreword (To Special Issue on Combinatorial Optimazation), 4 (1980) 223

Matsuda, T. and M. Hirano, A study on the structure of planning behaviour, 9 (1982) 122–132
Mazzoleni, P., Duality and reciprocity for vector programming, 10 (1982) 42– 50
McCallum, Jr., C.J., *see* G.A. Kochman, 6 (1981) 205–211
McDowell, M.R.C., *see* P.A. Storr, 5 (1980) 94–101
McKelvey, R.D., *see* R.E. Wendell, 6 (1981) 174–182
McNickle, D.C., *see* C.A. de Kluyver, 6 (1981) 80– 83
Medina-Mora Escalante, O., *see* J. Márquez Diez-Canedo, 1 (1977) 255–261
Mehta, R.P., *see* W.A. Hivner, 1 (1977) 103–111
Mendelson, H. and U. Yechiali, Controlling the GI/M/1 queue by conditional acceptance of customers, 7 (1981) 77– 85
Menipaz, E., Optimization of stochastic maintenance policies, 2 (1978) 97–106
Menipaz, E., On economically based quality control decisions, 2 (1978) 246–256
Mercer, A., An education in operational research: A personal viewpoint, 1 (1977) 352–360
Mercer, A. and G.K. Rand, A structure for distribution studies, 1 (1977) 161–168
Mercer, A., C.B. Tilanus and H.-J. Zimmermann, Editorial, 6 (1981) 1– 3
Mikkelsen, G., *see* O. Larsen, 4 (1980) 367–373
Miliotis, P., *see* A.H. Land, 2 (1978) 32– 35
Miliotis, P., *see* A.H. Land, 2 (1978) 445
Minciardi, R., P.P. Puliafito and R. Zoppoli, A districting procedure for social organizations, 8 (1981) 47– 57
Mingozzi, A., *see* N. Christofides, 4 (1980) 243–247
Mjelde, K.M., Allocation of resources according to a fractional objective, 2 (1978) 116–124
Mjelde, K.M., The necessity of differentiability in componentwise optimization: A remark on a theorem of Oettli (*Short Communication*), 3 (1979) 340
Mjelde, K.M., Location of a discrete resource and its allocation according to a fractional objective, 4 (1980) 49– 53
Mjelde, K.M., Improvement of a method of the evaluation of allocations of resources to activities (*Short Communication*), 8 (1981) 86– 87
Montazemi, M. and D.J. Wright, Mathematical programming in subsistence agriculture, 10 (1982) 346–350
Muhlemann, A.P., Developments in undergraduate education for operational research in the U.K. since 1965, 6 (1981) 252–257
Muhlemann, A.P., *see* A.G. Lockett, 2 (1978) 350–356
Muhlemann, A.P. and N.P. Valtis-Spanopoulos, A variable holding cost rate EOQ model, 4 (1980) 132–135
Muller, H., *see* S. de Samblanckx, 10 (1982) 70– 76
Müller, W. and C.B. Tilanus, Linear programming from a management point of view: A survey, Netherlands, 1976, 2 (1978) 223–231
Müller-Merbach, H., An improved upper bound for the zero-one knapsack problem: A note on the paper by Martello and Toth (*Short Communication*), 2 (1978) 212–213
Müller-Merbach, H., Commentary (*see also* B. Clemson, 3 (1979) 433–440), 3 (1979) 440
Müller-Merbach, H., Heuristics and their design: a survey (*Invited Review*), 8 (1981) 1– 23
Mulvey, J.M., *see* J. Elam, 3 (1979) 30– 39
Mulvey, J.M., A classroom/time assignment problem, 9 (1982) 64– 70
Murtagh, B.A., T.R. Jefferson and V. Sornprasit, A heuristic procedure for solving the quadratic assignment problem, 9 (1982) 71– 76

Nachane, D.M. and L.R. Chary, Optimal closed-loop control stability and transient behaviour of a class of linear dynamic economic models, 3 (1979) 157–162
Nagelhout, R.V. and G.L. Thompson, A cost operator approach to multistage location-allocation, 6 (1981) 149–161
Nambiar, J.M., L.F. Gelders and L.N. Van Wassenhove, A large scale location–allocation problem in the natural rubber industry, 6 (1981) 183–189
Näslund, B., The optimal number of management scientists, 2 (1978) 357–359
Nauss, R.M., The 0–1 knapsack problem with multiple choice constraints, 2 (1978) 125–131
Nawijn, W.M. and R. de Jonge, The analysis of a conveyor-serviced production station, 6 (1981) 67– 74
Nazem, S.M., Entropy of freight transportation and price variation, 3 (1979) 413–416
Nazem, S.M. and D.C. Guy, Markovian decision approach in housing policy, 8 (1981) 147–151
Nelson, M., Application of management science to water resource planning in Latin America: Some lessons, 3 (1979) 6– 12
Neuts, M.F., *see* D.E. Baily, 8 (1981) 184–196
Neuts, M.F. and S. Chakravarthy, A single server queue with platooned arrivals and phase type services, 8 (1981) 379–389
Newmark, R.P., *see* P.G. Bennett, 9 (1982) 327–338
Nicoletti, B. and L. Mariani, Generalized polynomial programming: Its approach to the solution of some management science problems 1 (1977) 239–246
Nicoletti, B., *see* F. Pezzella, 8 (1981) 139–146
Nicoletti, B., L. Mariani and F. Pezzella, Optimal information structure in a simple economic system, 3 (1979) 23– 29
Nijkamp, P. and J. Spronk, Interactive multidimensional programming models for locational decisions, 6 (1981) 220–223
Nishida, T., *see* H. Ishii, 8 (1981) 76– 85

Nobert, Y., *see* G. Laporte, 4 (1980) 24–30
Nobert, Y., *see* G. Laporte, 6 (1981) 224–226
Nojiri, H., Fuzzy team decision problems in a sales organization, 8 (1981) 256–263
Noord, B.J.M. van, Planning at the University of Utrecht, 5 (1980) 239–248
Norman, J.M., *see* R.B. Ekanayake, 1 (1977) 225–229
Norton, R.D., *see* G.P. Kutcher, 10 (1982) 333–345
Nose, T., *see* H. Ishii, 8 (1981) 76–85
Nunen, J.A.E.E. van and J. Wessels, Multi-item lot size determination and scheduling under capacity constraints, 2 (1978) 36–41

Odoni, A.R., *see* O. Berman, 6 (1981) 104–116
Oguz, O., *see* M.J. Magazine, 8 (1981) 270–273
O'Kane, P.C., A simulation model of a diagnostic radiology department, 6 (1981) 38–45
O'Kane, P.C., *see* D.P. Boldy, 10 (1982) 1–9
Oortmarssen, G.J. van, J.D.F. Habbema, J.Th.N. Lubbe, G.A. de Jong and P.J. van der Maas, Predicting the effects of mass-screening for disease – a simulation approach, 6 (1981) 399–409
Ormerod, R.J., Energy models for decision making, 5 (1980) 366–377
Ormerod, R.J., *see* M.W. Plackett, 10 (1982) 351–360
Osaki, S., *see* L.C. Thomas, 2 (1978) 409–419
Oudheusden, D.L. van, *see* R. Logendran, 8 (1981) 226–234

Pachow, U., *see* H. Gehring, 8 (1981) 31–39
Pacreu Vizcaya, J., *see* J. Márquez Diez-Canedo, 8 (1981) 335–344
Palermo, P.C., *see* E. Bartezzaghi, 7 (1981) 371–379
Panayiotopoulos, J.-C., Irregular gaming areas, 7 (1981) 61–66
Panayiotopoulos, J.-C., Probabilistic analysis of solving the assignment problem for the travelling salesman problem, 9 (1982) 77–82
Panayiotopoulos, J.C., *see* D.B. Papoulias, 3 (1979) 382–385
Papoulias, D.B., The assignment-to-days problem in a school time-table, a heuristic approach, 4 (1980) 31–41
Papoulias, D.B., Letter to the Editor, 4 (1980) 63
Papoulias, D.B. and J.C. Panayiotopoulos, Considerations on the requirements matrix of a non-regular school time-table problem, 3 (1979) 382–385
Pappàs, I.A., *see* J.E. Samouilidis, 5 (1980) 321–330
Pappis, C.P., A survey of OR utilization in Greece, 6 (1981) 248–251
Pasquier, J., see J. Kohlas, 8 (1981) 294–300
Patrizi, G., A pattern recognition approach to judicial decisions (with reference to industrial property controversies), 7 (1981) 133–142
Pearman, A.D., *see* Z.W. Kmietowicz, 9 (1982) 397–404
Pennycuick, K., *see* J.B. Westwood, 1 (1977) 94–102
Perros, H.G., Modelling a disc I/O system; A queue network approach, 1 (1977) 139–145
Perros, H.G., *see* F.G. Foster, 5 (1980) 376–283
Perros, H.G., *see* J. Macairt, 9 (1982) 248–256
Petrini, M., *see* D.P. Bovet, 5 (1980) 182–192
Pezzella, F., *see* B. Nicoletti, 3 (1979) 23–29
Pezzella, F., R. Bonnanno and B. Nicoletti, A system approach to the optimal health-care districting, 8 (1981) 139–146
Pfaffenberger, R.C., *see* J.J. Dinkel, 7 (1981) 299–305
Pidd, M., Systems approaches and operational research, 3 (1979) 13–19
Pihlatie, J., Development of mathematical models for the Finnish state administration, 6 (1981) 333–339
Plackett, M.W., R.J. Ormerod and F.J. Toft, The National Coal Board strategic model, 10 (1982) 351–360
Pliskin, N., *see* J.S. Pliskin, 4 (1980) 153–159
Pliskin, J.S. and N. Pliskin, Decision analysis in clinical practice, 4 (1980) 153–159
Polding, E., *see* A.G. Lockett, 7 (1981) 14–21
Ponsard, C., Producer's spatial equilibrium with a fuzzy constraint, 10 (1982) 302–313
Potts, C.N., An adaptive branching rule for the permutation flow-shop problem, 5 (1980) 19–25
Powell, J., J. Gleason and J. Burton, Power generator scheduling by dynamic programming, 1 (1977) 154–160
Prèkopa, A. and T. Szántai, On optimal regulation of a storage level with application to the water level regulation of a lake, 3 (1979) 175–189
Pressmar, D.B. and B. Jahnke, Efficient approximations of univariate nonlinearities for linear planning models, 1 (1977) 185–203
Price, D.H.R., *see* V. Thillainathan, 8 (1981) 264–269
Price, D.H.R. and V. Thillainathan, Experience of using a continuous simulation model of the U.K. paper industry for policy assessment, 7 (1981) 169–174
Prokuratorski, J., *see* W. Szymanowski, 10 (1982) 100–105

Proll, L.G., *see* M.E. Dyer, 9 (1982) 359–368
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Purkiss, C., Corporate manpower planning: a review of models (*Invited Review*), 8 (1981) 315–323

Raine, P.S., R.B. Flavell and G.R. Salkin, Determining appropriate levels of data aggregation in a linear programming model, 2 (1978) 26– 31
Rand, G.K., Teaching operational research to first year undergraduates: Experience at Lancaster, 5 (1980) 171–176
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Rasmusen, H.J., Transportation mode planning: a case study, 2 (1978) 327–335
Rath-Nagel, St. and A. Voss, Energy models for planning and policy assessment (*Invited Review*), 8 (1981) 99–114
Ravindran, A., *see* J.L. Arthur, 4 (1980) 421–425
Ravindran, A. and H.K. Lee, Computer experiements on quadratic programming algorithms, 8 (1981) 166–174
Reader, R.D. and W.B. Wells, The initiation, evaluation and selection of operational research projects, 1 (1977) 328–336
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Ritchie, E., *see* R.B. Ekanayake, 1 (1977) 225–229
Ritchie, E. and H. Hindle, An operational research study in a group of public libraries, 2 (1978) 153–159
Ritchie, E. and P. Wilcox, Renewal theory forecasting for stock control, 1 (1977) 90– 93
Rivett, P., The case for cybernetics; A critical appreciation, 1 (1977) 33– 37
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Rosenhead, J., Operational research in health services planning, 2 (1978) 75– 85
Ross, G.T. and R.M. Soland, A multicriteria approach to the location of public facilities, 4 (1980) 307–321
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Roubellat, F., *see* J. Erschler, 4 (1980) 189–194
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Sharp, R.G. and M.R. Dando, The intelligence man system: An approach to assisting managers in complex conflicts, 1 (1977) 275–288
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Soyster, A.L., B. Lev and W. Slivka, Zero-one programming with many variables and few constraints, 2 (1978) 195–201
Späth, H., Computational experiences with the exchange method; Applied to four commonly used partitioning cluster analysis criteria, 1 (1977) 23– 31
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Stoker, R.B., Determining the optimal number of depots in a physical distribution system according to market characteristics, 4 (1980) 107–117
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Szendrovits, A.Z. and S.K. Goyal, A unified EPQ model for packaging two items jointly manufactured through several stages, 7 (1981) 249–256
Szymanowski, W., P. Cegiella and J. Prokuratorski, The application of discrete programming to the design of delivery system in large agglomerations, 10 (1982) 100–105

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Tang, J.C.S., P. Adulbhan and T. Zubair, An aggregate production planning model for a heavy manufacturing industry, 7 (1981) 22– 29
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Tilt, B. and K.R. Balachandran, Stable and superstable customer policies in queues with balking and priority options, 3 (1979) 485–498
Tomlinson, R.C., The practice of O.R. in coal mining, 1 (1977) 9– 21
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Virtanen, I., Optimal maintenance policy and planned sale date for a machine subject to deterioration and random failure, 9 (1982) 33– 40
Vissers, J. and J. Wijngaard, The outpatient appointment system: Design of a simulation study, 3 (1979) 459–463
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Wagle, B.V., Corporate planning in local authorities, 1 (1977) 211–224
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Westwood, J.B., A.G. Lockett and K. Pennycuick, Stock management after catastrophe; The economics of hold or destroy, 1 (1977) 94–102
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White III, C.C., Monotone control laws for noisy, countable-state Markov chains, 5 (1980) 124–132
White, D.J., Optimality and efficiency I, 4 (1980) 346–356
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Wilhelm, J., Generalized solution principles and outranking relations in multi-criteria decision-making, 1 (1977) 376–385

Wilmer, M.A.P., The productivity of the industrial racial demon, 1 (1977) 323–327
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